

Multi Room Heat Pump Systems

Total Home Heating Solutions




The perfect heat pump for each room with just a single outdoor unit
















The perfect heat pump for each room with just a single outdoor unit.

Mitsubishi Electric Multi Room Heat Pump Systems allow you to choose the perfect heat pump for each room without the need to install multiple outdoor units. Whether it is a small capacity whisper quiet high wall for the bedroom, a compact floor console for the home office or a discreet ducted model for the lounge, there is a style and capacity to fit any room – the choice is truly yours.

 +
**MULTI
ROOM**

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What is a Multi Room Heat Pump System?

While a standard heat pump system consists of a single indoor and outdoor unit, a Multi Room Heat Pump System allows you to connect multiple indoor units to a single outdoor unit.



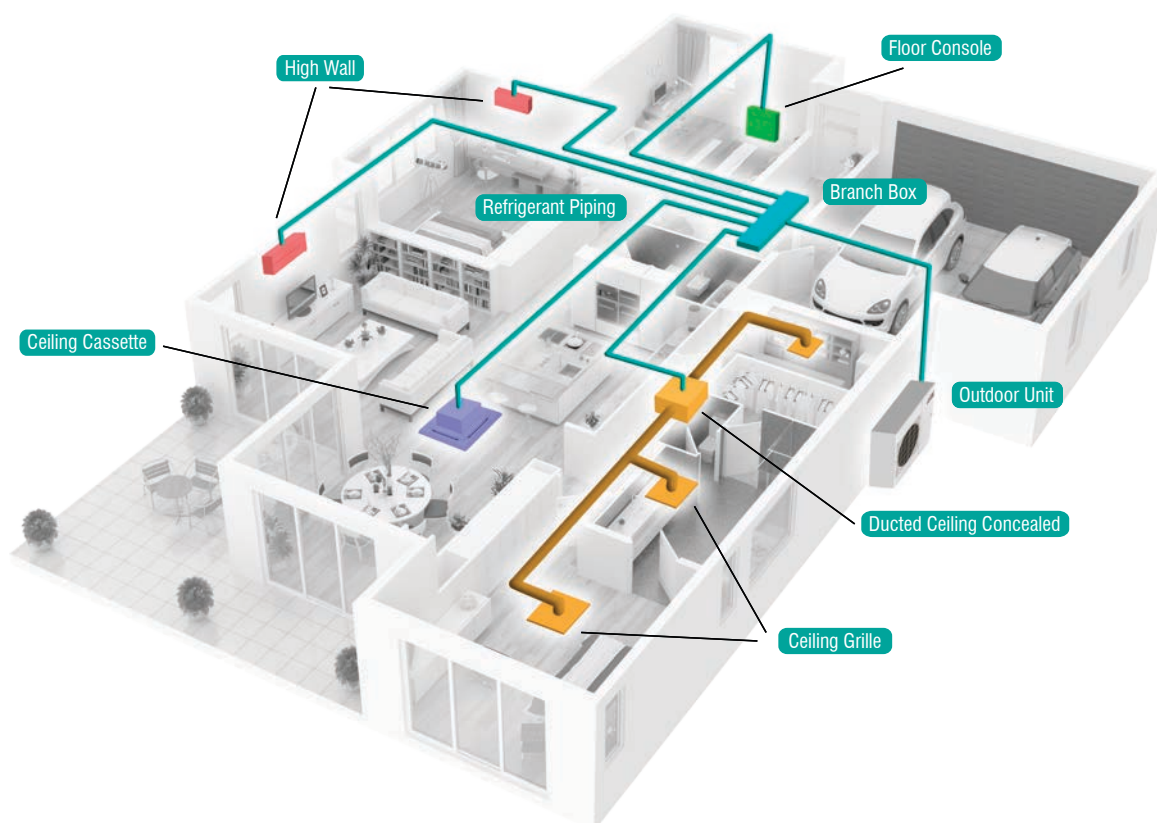
- ✓ Only one outdoor unit
- ✓ Choose from High Walls, Floor Consoles, Ducted or Cassettes
- ✓ Energy efficient
- ✓ From 2 to 8 room solutions
- ✓ Whisper quiet
- ✓ Optional Wi-Fi Control
- ✓ Optional Zone Control (Ducted indoors only)

The Total Home Solution

A Multi Room Heat Pump System not only gives you the freedom to select the indoor model best suited to each and every room in your home, it also enhances exterior aesthetics by reducing the number of outdoor units required.

With a Multi Room Heat Pump System you have the freedom to choose the ideal unit for each area of your home, keeping you comfortable without cluttering the exterior.

With Mitsubishi Electric Heat Pump Technology, you also get the benefit of superior efficiency and energy savings.



Why Choose a Multi Room System?

Style for Each and Every Room

With a Multi Room Heat Pump System, you have the flexibility to choose the perfect indoor heat pump for each room. Whether it's a small capacity whisper quiet high wall for the bedroom, a compact floor console for the office or a discreet ducted model for the lounge, there is a style and capacity to fit any room – no matter the size or interior aesthetic.

Individual Temperature Control for Each Room

A Multi Room System allows individual control of every heat pump in your home; whether you want to increase the temperature in the kids' bedrooms before bedtime, or turn off the living room heat pump as you head out for dinner. With individual heat pump control, you can adjust the temperature to suit your comfort levels and ensure a heat pump is only operating when needed; maximising energy savings.

Quiet Operation for Peaceful Comfort

Mitsubishi Electric Multi Room Heat Pump Systems are equipped with a Silent Mode; ensuring outdoor sound levels can remain as low as 45dBA* while operating – for the ultimate in quiet home comfort.

* MXZ-2D52 / MXZ-3E54 / MXZ-4E71VAD2 in cooling mode.

Keep Your Exterior Clutter-Free

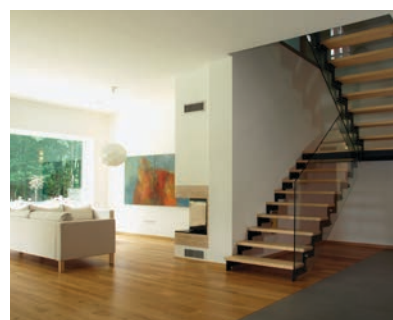
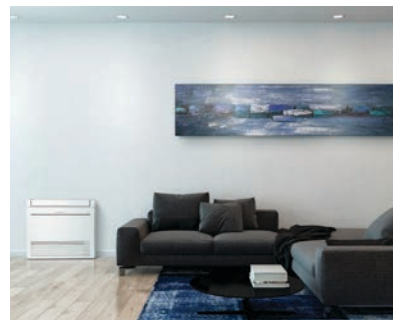
While a standard heat pump system requires a separate outdoor unit for every indoor unit inside the home, a Multi Room Heat Pump System is specifically designed so you have the flexibility to connect multiple indoor units to just one outdoor unit. With a range that provides sizing options from two to eight rooms, a total home heating and cooling solution with a clutter-free exterior is now possible.

Future-Proof and Add Units as Your Family Grows

With a Multi Room System, there is no need to hurry and choose all the possible indoor units for your home at once. Indoor units do not have to be connected all at the same time when you first install the system. This means for example a four room system could be installed with only two indoor units connected to begin with; giving you the flexibility to add up to two more rooms in the future – all connected to the one outdoor unit.

Optional Ventilation

If you're looking to create the perfect indoor environment for your home using a Multi Room System, it is worth considering your home's ventilation requirements. Mitsubishi Electric offer a range of Whole Home Heat Recovery Ventilation Systems that ensure clean, fresh air is supplied throughout your home.



Add Optional Lossnay Ventilation



Ventilating your home is vital as it maintains air quality and reduces moisture, creating a healthier and more comfortable environment. The Mitsubishi Electric Lossnay System is a patented heat recovery ventilation solution that uses fresh air (not attic air) to ventilate your home. The system works by extracting stale air from inside your house and replacing it with allergen-reduced fresh air from outside.

Ventilation and Airtight Building Design

Creating a healthy living environment is important when renovating or building a new home – you will want the perfect indoor climate year-round. In addition to efficient heating and cooling, this should include the optimum amount of circulating fresh air.

Current building regulations now demand homes to be built more airtight as they are subjected to higher insulation standards. The option of leaving doors or windows open to allow more fresh air to enter is often not the solution from an outdoor noise or security perspective.

Ventilation, Condensation and Moisture Management

The lack of natural ventilation due to airtight spaces can lead to the build-up of moisture-laden stale air within the home. This is the perfect breeding ground for mould that can trigger allergy or respiratory problems.

Mould and dampness can compromise both building materials as well as furnishings inside the home.

Common places for mould to grow include window sills, curtains and carpets.

Maximise Heat Recovery Even from Warm Damp Areas*

With its unique and highly efficient heat recovery ability, the Lossnay VL-220 System maximises recovery of the available heat energy from outgoing stale air, as well as heat energy contained in moist air from damp areas such as bathrooms, toilets and kitchens.

*Featured on the VL-220 Heat Recovery System.

Features

Improved Air Quality

By drawing in fresh outdoor air, indoor air quality is improved as high levels of CO₂, odours and other pollutants are removed from your home.

Creates a Healthier Home

Filtered fresh air improves air quality for allergy and asthma sufferers.

Fresh Air Without Windows Open

Lossnay allows you to have a well-ventilated home without the need to open windows. This improves the safety of your home and minimises outdoor noise.

Energy Efficient

Incoming fresh air is pre-warmed so your heating system isn't required to work as hard to reach desired temperatures. This is highly energy efficient, and can help reduce heating bills.

Retains Heat

Lossnay's unique Heat Recovery Technology collects up to 86% of the heat energy in outgoing air which is then used to pre-warm or cool the fresh air vented in.

Assists Moisture and Condensation Control

Lossnay effectively controls moisture in your home by directly removing stale air that causes condensation via the Lossnay Core.

Balanced Pressure, No Draughts

Lossnay is specifically designed for more airtight homes built to the current New Zealand Building Code; bringing in the optimum amount of fresh air without creating draughts and minimising indoor temperature fluctuations.



How it Works



EXTRACTS STALE AIR

Extracts stale air removing toxins and reducing humidity.



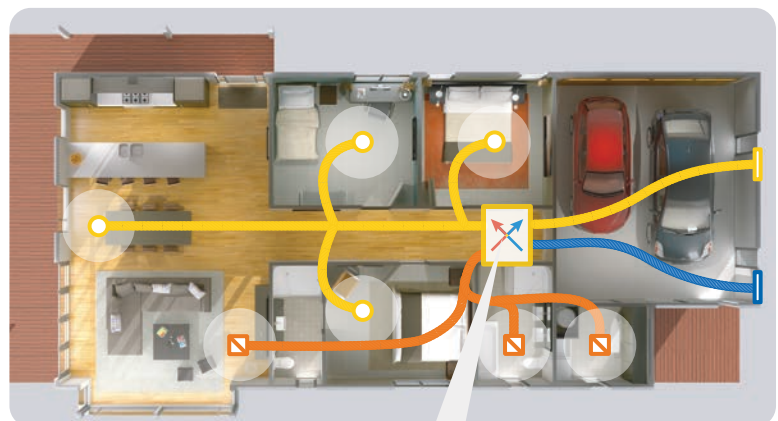
SUPPLIES FRESH AIR

Supplies fresh air increasing the oxygen levels in the home and assists with managing the build-up of moisture.

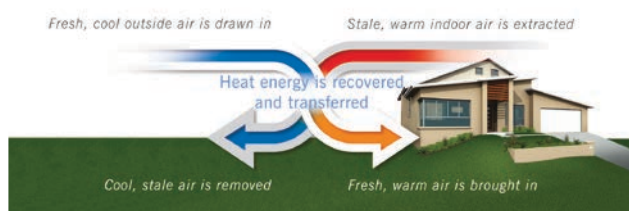


HEAT RECOVERY

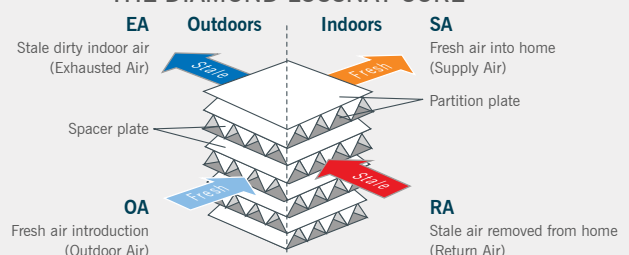
Recovers up to 86% of the heat energy from the outgoing air to preheat the incoming air, saving you money.



How Fresh Air Heat Energy Recovery Works



THE DIAMOND LOSSNAY CORE



Choosing the Right Heat Pumps for Your Home

Will I Still Get the Fully Rated Capacity When Using a Multi Room System?

Multi Room outdoor units have different maximum capacities of heating kW and cooling kW. Depending on the indoor units chosen, the actual capacity of heating/cooling produced by the indoor unit may vary from the actual rated capacity. This is because the power of the outdoor unit is distributed across all the connected indoor units that are running.

For example, if you have an AP42 and an AP50 indoor unit connected to an MXZ-3E54VAD2 outdoor, when the two indoor units operate simultaneously in Heating Mode, the AP42 will produce up to 3.1kW, and the AP50 will produce 3.7kW of its rated heating capacity. When only one indoor unit is running, for example the AP50, you will receive up to an impressive 6.8kW of rated heating capacity from the AP50 alone.



MSZ-AP42VG

Produces **3.1kW** when both running at the same time



MSZ-AP50VG

Produces **3.7kW** when both running at the same time



MSZ-AP42VG

This unit is currently turned off



MSZ-AP50VG

Produces **6.8kW** when only one is running



Book a Free In-Home Consultation

Once you have selected your preferences, we recommend you book a free in-home consultation with one of our qualified installers.

Choosing the right heat pump system requires an assessment of the areas in your home that need to be heated; ensuring you get the best, most efficient system.

A qualified installer will carry out accurate sizing calculations and expertly assess other factors involved in heat loss and gain.

To book your free in-home consultation please visit www.mitsubishi-electric.co.nz/heatpump/installer for your nearest Mitsubishi Electric recommended heat pump installer.

What Indoor Units Can I Connect to my Multi Room Heat Pump System?

All of the Mitsubishi Electric indoor units listed within this brochure are compatible with a Mitsubishi Electric Multi Room outdoor unit.



High Wall Mounted



Floor Console



Ceiling Mounted



Ducted/Concealed

How Many Indoor Units Can be Connected?

To help assist in your decision, all Mitsubishi Electric indoor units have a class rating; this is the numerical component of the model name, for example the MSZ-GE25VAD2 has a class rating of 25.

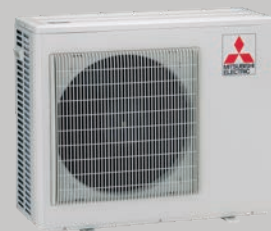
Every Multi Room outdoor unit has 3 parameters that determine the number and size of indoor units that can be connected to it:

1. The number of indoor units that can be connected (ranging from 2–8 indoor units dependent on outdoor unit).
2. The maximum individual indoor class rating that can be connected (ranging from 22–100).
3. The maximum total class rating of all units that can be connected (ranging from 75–202 dependent on unit).

OUTDOOR UNIT		CONNECTABLE INDOOR UNIT PARAMETERS
Small to Medium Homes	Classic Multi Series	
	MXZ-2D52VA2 6.1kW Heating	Connect 2 indoors Each indoor can be up to a Class 50 Maximum Class total of 75 for all indoor units
	MXZ-3E54VAD2 7.0kW Heating	Connect 2–3 indoors Each indoor can be up to a Class 50 Maximum Class total of 100 for all indoor units
	MXZ-4E71VAD2 8.0kW Heating	Connect 2–4 indoors Each indoor can be up to a Class 60 Maximum Class total of 125 for all indoor units
	MXZ-4E80VAD2 8.8kW Heating	Connect 2–4 indoors Each indoor can be up to a Class 71 Maximum Class total of 145 for all indoor units This outdoor unit can only use 1x Class 71 indoor
	MXZ-5E100VAD2 10.0kW Heating	Connect 2–5 indoors Each indoor can be up to a Class 71 Maximum Class total of 171 for all indoor units This outdoor unit can only use 1x PEAD-M71
Larger Homes and Light Commercial	MXZ-6E120VAD2 13.2kW Heating	Connect 2–6 indoors Each indoor can be up to Class 80 Maximum Class total of 180 for all indoor units This outdoor unit can only use 1x PEAD-M71
	Power Multi Series	
	PUMY-SP80VKMD-A 10.0kW Heating	Connect 2–5 indoors Each indoor can be up to Class 80 Maximum Class total of 117 for all indoor units
	PUMY-SP112VKMD-A 14.0kW Heating	Connect 2–7 indoors Each indoor can be up to Class 100 Maximum Class total of 162 for all indoor units
	PUMY-SP125VKMD-A 16.0kW Heating	Connect 2–8 indoors Each indoor can be up to Class 100 Maximum Class total of 182 for all indoor units
	PUMY-SP140VKMD-A 16.5kW Heating	Connect 2–8 indoors Each indoor can be up to Class 100 Maximum Class total of 202 for all indoor units

MXZ-2D52VA2 EXAMPLE

Each indoor unit has a maximum class no greater than 50, and the total maximum class combination of all indoors is no greater than 75 (in this example totalling 75).



MXZ-2D52VA2
Multi Room Outdoor Unit



MSZ-AP25VG (Class 25)
High Wall Indoor Unit

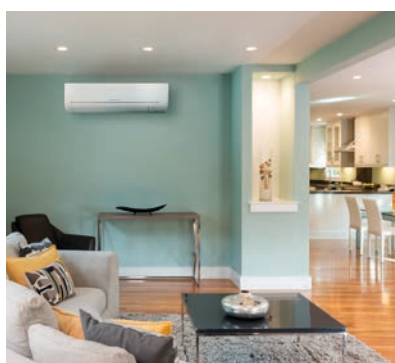


MFZ-KJ50VE (Class 50)
Floor Console Indoor Unit

**For more Multi Room examples
please visit www.mitsubishi-electric.co.nz/multiroom**

Classic Multi Series

The Mitsubishi Electric Classic Multi Series is the perfect solution for small to medium sized homes.



The Classic Multi Series is the perfect total home solution, providing heating and cooling in up to six rooms.

Features

Quiet Operation (Silent Mode)¹

When operating the MXZ outdoor unit in Silent Mode, the outdoor sound level on an MXZ-2D52VA2, MXZ-3E54VAD2, MXZ-4E71VAD2 and MXZ-4E80VAD2 in heating is just 48dBA. In combination with the MSZ-AP25, indoor noise can also be reduced to a quiet 18dBA.²

In cooling, outdoor sound levels start from an even quieter 45dBA for the MXZ-2D52VAD2, MXZ-3E54VAD2 and MXZ-4E71VAD2!

Energy Saving with High COP

Mitsubishi Electric Inverter Technology provides superior energy efficiency with high COPs (Coefficient of Performance). For example, a COP of over 4 means that for every 1kW of power input, you get over 4kW of heat energy output!

MODEL	COP
MXZ-2D52VA2	3.84
MXZ-3E54VAD2	4.35
MXZ-4E71VAD2	4.35
MXZ-4E80VAD2	4.60
MXZ-5E100VAD2	4.35
MXZ-6E120VAD2	3.78

Fix Operation Mode

It is possible to lock operation to 'Heating' or 'Cooling' Mode. This is convenient in places such as rental properties.

Longer Piping Length

Piping is extendable up to 25m per indoor unit³ with no more than 15m in height (additional refrigerant charge may be required). Total install pipe length may extend up to 80m.⁴

Guaranteed Heating Down to -15°C

Not all heat pumps perform when they are needed most. Our Classic Multi Series is guaranteed to effectively provide heating on those cold nights or mornings when you really need it.

Controllers

Refer to page 30 for the full list of available controls.

Optional Ventilation

If you're looking to create the perfect indoor environment for your home using a Multi Room System, it is worth considering your home's ventilation requirements. Mitsubishi Electric offer a range of Whole Home Heat Recovery Ventilation Systems that ensure clean, fresh air is supplied throughout your home.

¹ Silent Mode needs to be set when installed. ² Indoor sound level on lowest fan setting in heating mode.

³ MXZ-2D52 up to 20m. ⁴ MXZ-5E100 and MXZ-6E120.

Power Multi Series



The Mitsubishi Electric Power Multi Series has been designed specifically for larger homes, offices and other light commercial applications.



The Power Multi Series, also known as Mini-VRF, provides a quiet, highly efficient and flexible heat pump system providing heating and cooling for up to 8 rooms.

Features

Super Silent Mode – Cooling Only*

Perfect for evenings and in residential areas, the noise level of the Power Multi Series can be reduced by up to 10dBA, providing quiet operation when it is needed most.

Guaranteed Heating Down to -20°C

The Power Multi Series is able to provide heating when you need it most, right down to -20°C outdoor temperature.

Simple and Discrete Design

The single fan unit offers a low height profile and small footprint, keeping your outdoor space uncluttered.

Energy Saving with High COP

The Power Multi Series provides superior energy efficiency with high COPs (Coefficient of Performance). With COPs over 4, for every 1kW of power input, you get over 4kW of heat energy output!

MODEL	COP
PUMY-SP80VKMD	4.41
PUMY-SP112VKMD	4.42
PUMY-SP125VKMD	4.10
PUMY-SP140VKMD	4.10

Branch Box

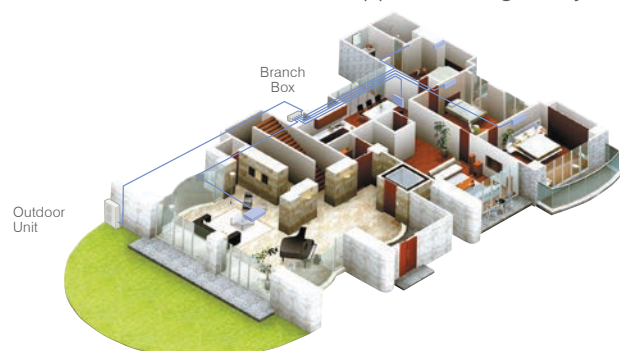
The Mitsubishi Electric Branch Box is unique to the Power Multi Series. Simplifying installation, the Branch Box enables a more flexible and cost effective approach.

Central Control Compatible

The new PUMY-SP Series are compatible with central controllers AE-200E, AE-50E, EW-50 and AT-50B, providing full centralised control!

Optional Ventilation

If you're looking to create the perfect indoor environment for your home using a Multi Room System, it is worth considering your home's ventilation requirements. Mitsubishi Electric offer a range of Whole Home Heat Recovery Ventilation Systems that ensure clean, fresh air is supplied throughout your home.



*PAC-SC36NA-E is required to activate Super Silent Mode.

Compatibility Chart


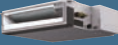


		Black Diamond LN Series	AP Series		Designer EF Series		Classic GE Series		
		High Wall	High Wall		High Wall		High Wall		
		Page 14	Page 17		Page 18		Page 19		
Outdoor Units									
Classic Multi Series		MXZ-2D52VA2 Connect 2 indoor units Up to Class 50 (total 75)* Heating Capacity: 6.1 kW Cooling Capacity: 5.2 kW	LN25 LN35	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50	GE25 GE42
		MXZ-3E54VAD2 Connect 2-3 indoor units Up to Class 50 (total 100)* Heating Capacity: 7.0 kW Cooling Capacity: 5.4 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50	GE25 GE42
		MXZ-4E71VAD2 Connect 2-4 indoor units Up to Class 60 (total 125)* Heating Capacity: 8.0 kW Cooling Capacity: 7.1 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50	GE25 GE42 GE60
		MXZ-4E80VAD2 Connect 2-4 indoor units Up to Class 71 (total 145)* ¹ Heating Capacity: 8.8 kW Cooling Capacity: 8.0 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50 GE71	GE25 GE42 GE60
		MXZ-5E100VAD2 Connect 2-5 indoor units Up to Class 71 (total 171)* ² Heating Capacity: 10.0 kW Cooling Capacity: 10.0 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50 GE71	GE25 GE42 GE60
		MXZ-6E120VAD2 Connect 2-6 indoor units Up to Class 80 (total 180)* ² Heating Capacity: 13.2 kW Cooling Capacity: 12.0 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50 GE71	GE25 GE42 GE60 GE80
Power Multi Series		PUMY-SP80VKMD Connect 2-5 indoor units Up to Class 80 (total 117)* Heating Capacity: 10.0kW Cooling Capacity: 9.0 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50 GE71	GE25 GE42 GE60 GE80
		PUMY-SP112VKMD Connect 2-7 indoor units Up to Class 100 (total 162)* Heating Capacity: 14.0 kW Cooling Capacity: 12.5 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50 GE71	GE25 GE42 GE60 GE80
		PUMY-SP125VKMD Connect 2-8 indoor units Up to Class 100 (total 182)* Heating Capacity: 16.0 kW Cooling Capacity: 14.0 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50 GE71	GE25 GE42 GE60 GE80
		PUMY-SP140VKMD Connect 2-8 indoor units Up to Class 100 (total 202)* Heating Capacity: 16.5 kW Cooling Capacity: 15.5 kW	LN25 LN35 LN50	AP22 AP35 AP50	AP25 AP42	EF22 EF35 EF50	EF25 EF42	GE22 GE35 GE50 GE71	GE25 GE42 GE60 GE80

To be used as a guide only. Please view the outdoor unit's capacity charts on www.mitsubishi-electric.co.nz for possible combination connections.

¹ Note: The MXZ-4E80 can only use 1x class 71 indoor.

² Note: The MXZ-5E100 and MXZ-6E120 can only use 1x PEAD-M71.

*Total maximum capacity connectable.

RapidHeat KJ Series	PFFY Series	SEZ Series	PEFY	PEAD Series	MLZ Series	SLZ Series	PLA Series	PCA Series
Floor Console	Concealed Floor Console	Ceiling Concealed	Ducted	Ducted	One-Way Ceiling Cassette	Compact Ceiling Cassette	Ceiling Cassette	Under- Ceiling
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KJ25 KJ35		SEZ-KD35			MLZ-KP25 MLZ-KP35	SLZ-KF25 SLZ-KF35		
KJ25 KJ35 KJ50		SEZ-KD35 SEZ-KD50			MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50		PCA-M50
KJ25 KJ35 KJ50		SEZ-KD35 SEZ-KD50 SEZ-KD60			MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50		PCA-M50 PCA-M60
KJ25 KJ35 KJ50		SEZ-KD35 SEZ-KD50 SEZ-KD60 SEZ-KD71*		PEAD-M71	MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50	PLA-M71	PCA-M50 PCA-M60 PCA-M71
KJ25 KJ35 KJ50		SEZ-KD35 SEZ-KD50 SEZ-KD60 SEZ-KD71		PEAD-M71*	MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50	PLA-M71	PCA-M50 PCA-M60 PCA-M71
KJ25 KJ35 KJ50		SEZ-KD35 SEZ-KD50 SEZ-KD60 SEZ-KD71		PEAD-M71*	MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50	PLA-M71	PCA-M50 PCA-M60 PCA-M71
KJ25 KJ35 KJ50	PFFY-P20 PFFY-P25 PFFY-P32 PFFY-P40 PFFY-P50	SEZ-KD35 SEZ-KD50 SEZ-KD60 SEZ-KD71	PEFY-P20 PEFY-P25 PEFY-P32 PEFY-P40 PEFY-P50	PEAD-M71	MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50	PLA-M71	PCA-M50 PCA-M60 PCA-M71
KJ25 KJ35 KJ50	PFFY-P20 PFFY-P25 PFFY-P32 PFFY-P40 PFFY-P50	SEZ-KD35 SEZ-KD50 SEZ-KD60 SEZ-KD71	PEFY-P20 PEFY-P25 PEFY-P32 PEFY-P40 PEFY-P50	PEAD-M71 PEAD-M100	MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50	PLA-M71 PLA-M100	PCA-M50 PCA-M60 PCA-M71 PCA-M100
KJ25 KJ35 KJ50	PFFY-P20 PFFY-P25 PFFY-P32 PFFY-P40 PFFY-P50	SEZ-KD35 SEZ-KD50 SEZ-KD60 SEZ-KD71	PEFY-P20 PEFY-P25 PEFY-P32 PEFY-P40 PEFY-P50	PEAD-M71 PEAD-M100	MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50	PLA-M71 PLA-M100	PCA-M50 PCA-M60 PCA-M71 PCA-M100
KJ25 KJ35 KJ50	PFFY-P20 PFFY-P25 PFFY-P32 PFFY-P40 PFFY-P50	SEZ-KD35 SEZ-KD50 SEZ-KD60 SEZ-KD71	PEFY-P20 PEFY-P25 PEFY-P32 PEFY-P40 PEFY-P50	PEAD-M71 PEAD-M100	MLZ-KP25 MLZ-KP35 MLZ-KP50	SLZ-KF25 SLZ-KF35 SLZ-KF50	PLA-M71 PLA-M100	PCA-M50 PCA-M60 PCA-M71 PCA-M100

Black Diamond LN Series



The Black Diamond Series sets the new standard in personalised comfort and style. Available in three unique reflective colours, the range is packed with advanced features including Plasma Quad Plus Filtration, the 3D i-See Sensor for customised heating or cooling, and Dual Barrier Coating to maximise year round energy efficient performance.

Reflect Your Design Personality

Featuring a striking flat panel design, the Black Diamond Series is available in three unique reflective colour finishes – White Diamond, Red Diamond and Black Diamond – that change depending on the light in the room.



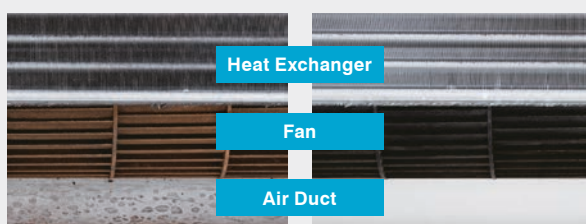
Dual Barrier Coating Maximises Efficient Performance

The patented and world's first Dual Barrier Coating from Mitsubishi Electric prevents dust and dirt from accumulating on the inner surface of the indoor unit; keeping your heat pump clean year round for the ultimate in peace of mind, ease and comfort.

Keeping key internal components like the heat exchanger, fan and internal duct clean is important for both home comfort and efficiency. Not only does dust and dirt build-up typically create unpleasant odours, it also forces a heat pump to work harder, which can result in significantly impaired energy efficiency.

Comparison of dirt on heat exchanger, fan and air duct.

(Factory simulated in-house comparison)



No Dual Barrier Coating (after 10 years)

With Dual Barrier Coating



Dimensions (WxDxH): 890 x 233 x 307mm

MSZ-LN25VGVB/R

Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-LN35VGVB/R

Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-LN50VGVB/R

Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

3D i-See Sensor

The 3D i-See Sensor detects the presence and position of people in the room using thermal heat recognition, adjusting the temperature and airflow pattern for optimal comfort. This helps the Black Diamond Series do more than simply save energy, it also enables a new level of truly personalised comfort to be achieved.

Thermal Scan Technology

The 3D i-See Sensor continually takes a thermal scan of the room, dividing it into 752 three-dimensional zones and measuring the temperature in each zone to detect exactly where people are in a room.

Independently Controlled Dual Split Vane Airflow

Intuitively Adjusts the Airflow Direction to Where It's Needed

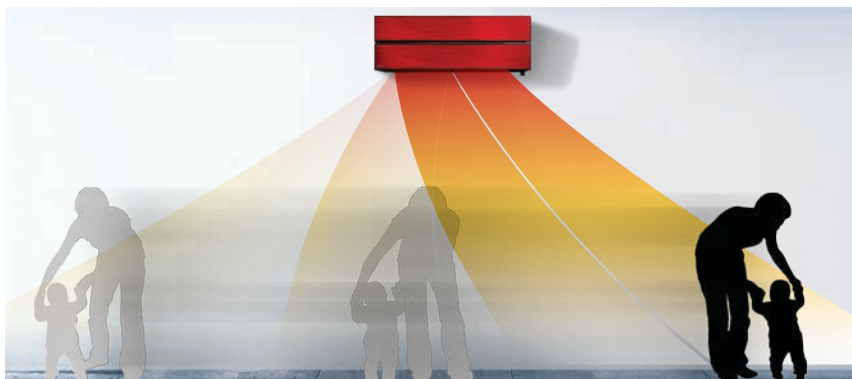
The 3D i-See Sensor works in conjunction with the Dual Split Vanes to provide heating or cooling to where it is needed most. As a result, it can save energy by not heating or cooling areas that don't require it. Whether you prefer direct, indirect or evenly distributed airflow, the 3D i-See Sensor and Dual Split Vanes provide the ultimate in customisable airflow.



With multiple airflow directions both occupants feel comfortable.

You'll Never Feel Cold

The 3D i-See Sensor can recognise movement of an individual in a room and subsequently direct the airflow with the Dual Split Vanes; so they continue feeling warm no matter where they have moved in the room.

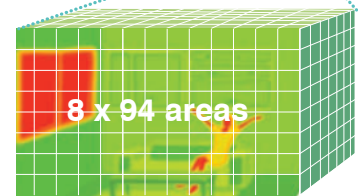


You always feel warm and comfortable as the direct heat follows you as you move around the room.

i-see Sensor



8 sensors measure while moving left to right

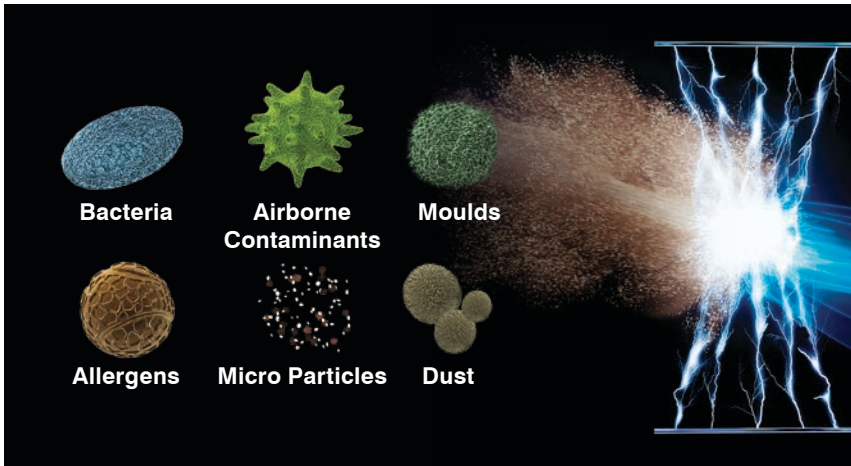


752 three-dimensional zones

Black Diamond LN Series

Advanced Plasma Quad Plus Filtration

The new advanced Plasma Quad Plus Filtration System, featuring high-performance two stage plasma technology, filters the air to clean away smells, dust, moulds and other common household allergens.



Two Stage Plasma Filter

The Plasma Quad Plus Filter works like an electrical curtain, using an electrical discharge to catch and neutralise even microscopically small particles in the air. In fact, it can even capture PM2.5 particles (which are up to 30 times smaller than the width of a human hair!).

Quiet Operation

Mitsubishi Electric Heat Pumps are designed to be very, very quiet. Constant development to reduce sound levels has resulted in our Black Diamond Series High Wall indoor units starting at an amazingly quiet 19dBA*, making them ideal where it matters most – in living rooms and bedrooms.

The LN Series also features Night Mode which disables beeping sounds and dims the indicator light.



MSZ-LN25/35

Built-In Wi-Fi Control – Never Return to a Cold Home Again

With Mitsubishi Electric Wi-Fi Heat Pump Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort regardless of what New Zealand's unpredictable weather is doing outside!



Black Diamond LN Series Features



Whisper Quiet Operation



No Occupancy Mode



7-Day Programmable Controller



3D i-See Sensor



Dual Barrier Coating



Econo Cool



Dual Split Vane Technology



Advanced Plasma Quad Plus Filtration System



10°C Heating Mode

* MSZ-LN25/35 indoor sound level on lowest fan speed.

AP Series



Dimensions (WxDxH): 798 x 219 x 299mm

MSZ-AP22VG

Heating Capacity: 3.0 kW | Cooling Capacity: 2.2 kW

MSZ-AP25VG

Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-AP35VG

Heating Capacity: 3.7 kW | Cooling Capacity: 3.5 kW

MSZ-AP42VG

Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MSZ-AP50VG

Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

Please note that the capacities are for reference, these may vary depending on the indoor/outdoor unit combination.

The AP Series that features New Zealand's quietest heat pump ever*, sets a new standard in whisper quiet, year-round comfort with advanced features such as Built-In Wi-Fi Control and Dual Barrier Coating that maximises energy efficient performance.

It's New Zealand's Quietest Heat Pump!

Starting at an incredibly quiet 18dBA* on its lowest fan speed, the AP25 indoor unit is New Zealand's quietest heat pump ever. A new level of quietness is achieved by designing a fan coil that is 22%† larger, and a heat exchanger that is 32%† thinner. Furthermore, Night Mode will disable any beeping sounds and the outdoor operating noise drops by a further 3dBA.

Dual Barrier Coating Maximises Efficient Performance

The patented and world's first Dual Barrier Coating from Mitsubishi Electric prevents dust and dirt from accumulating on the inner surface of the indoor unit; keeping your heat pump clean year-round.

Washable Air Purifying Filter

This washable antibacterial and deodorising filter effectively traps particles such as dust, pollen and other airborne contaminants.



Heat Exchanger



Fan Coil

AP Series Features



18dBA NZ's Quietest Heat Pump



Dual Barrier Coating



Built-In Wi-Fi Control



Washable Air Purifying Filter



Horizontal Airflow



Auto Vane Control



7-Day Programmable Controller



Econo Cool



* AP25 indoor sound level on lowest fan setting in heating mode.
† Compared to MSZ-GL Series.

Designer EF Series



The Designer Series combines exceptional energy efficiency with award-winning aesthetics. The elegant slimline design is available in a Glossy White, Matte Silver or Rich Black Diamond – so you can truly reflect your design personality.

Award-Winning Design

The Designer Series, with its contemporary slimline profile, has been awarded the prestigious Red Dot Design Award 2015 in recognition for outstanding design quality. The international jury only confers this sought-after seal of quality to products that set themselves apart significantly from comparable products thanks to their excellent design.

Advanced Filtration

The extra-large, washable 3D filter surface incorporates nanometre-sized platinum-ceramic particles designed to effectively collect fine dust particles, deodorise the air and eliminate bacteria at the same time. This level of advanced filtration is better at the collection of dust in comparison to conventional filters. An optional Electrostatic Anti-Allergy Enzyme Filter can also be added.

7-Day Programmable Controller

With up to four time and temperature settings for each day of the week possible, the 7-Day Programmable Controller is perfect for regulating energy usage without compromising on comfort.

Designer EF Series Features



Stylish Flat Panel Design



Nano Platinum Filter



Electrostatic Anti-Allergy Enzyme Filter Optional



7-Day Programmable Controller



Auto Change Over Function



Low Standby Power Usage 1W



Dimensions (WxDxH): 885 x 195 x 299mm

MSZ-EF22VE2W/B/S

Heating Capacity: 3.0 kW | Cooling Capacity: 2.0 kW

MSZ-EF25VE2W/B/S

Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MSZ-EF35VE2W/B/S

Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-EF42VE2W/B/S

Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW

MSZ-EF50VE2W/B/S

Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.



reddot design award
winner 2015



*EF22/25/35 indoor sound level on lowest fan speed.

Classic GE Series



The Classic GE Series is our best-selling heat pump range ever! This is a testament to exceptional product quality, reliability and superior heating performance. And because of the extensive size range available – starting from 2.2kW to the large capacity 7.8kW, it means there is a perfect solution for every kind of room.

Wide and Long Airflow (GE60/71/80)

The Wide and Long Airflow Modes enables the airflow direction to be adjusted from left to right and is ideal for open plan environments; ensuring every corner of the room is comfortable. The Long Mode extends airflow by up to 12m to reach even the furthest point of open plan or larger living spaces. These modes are simply activated at the touch of a button on your remote controller.

Advanced Filtration

The small GE models (22/25/35/42/50) feature a washable Healthy Catechin Filter and an Anti-Allergy Enzyme Filter that specifically combats allergens, dust mites and pollen. The large GE models (60/71/80) come standard with a Nano Platinum Filter and Electrostatic Anti-Allergy Enzyme Filter.

7-Day Programmable Controller

This controller allows you to program up to four time and temperature settings for each day of the week. It's a great way to regulate your energy usage without compromising on comfort! The GE22/25/35/42/50 come with a standard 7-Day Line-of-Sight Controller and the GE60/71/80 come with an advanced 7-Day Controller.

Classic GE Series Features



Electrostatic Anti-Allergy Enzyme Filter GE60/71/80



Healthy Catechin Filter GE22/25/35/42/50



Wide and Long Airflow GE60/71/80



Nano Platinum Filter GE60/71/80



Anti-Allergy Enzyme Filter GE22/25/35/42/50



7-Day Programmable Controller**

**GE22/25/35/42/50 is a Line-of-Sight version.



Dimensions (WxDxH): 798 x 232 x 295mm

MSZ-GE22VAD2

Heating Capacity: 3.0 kW | Cooling Capacity: 2.2 kW

MSZ-GE25VAD2

Heating Capacity: 3.0 kW | Cooling Capacity: 2.5 kW

MSZ-GE35VAD2

Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MSZ-GE42VAD2

Heating Capacity: 5.0 kW | Cooling Capacity: 4.2 kW

MSZ-GE50VAD2

Heating Capacity: 5.8 kW | Cooling Capacity: 4.8 kW



Dimensions (WxDxH): 1100 x 238 x 325mm

MSZ-GE60VAD

Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW

MSZ-GE71VAD

Heating Capacity: 8.1 kW | Cooling Capacity: 7.1 kW

MSZ-GE80VAD

Heating Capacity: 9.0 kW | Cooling Capacity: 7.8 kW

Please note that the capacities are for reference, these may vary depending on the indoor/outdoor unit combination.



MSZ-GE22/25/35



Whisper Quiet Operation



Auto Change Over Function

*MSZ-GE22/25/35 indoor sound level on lowest fan speed.

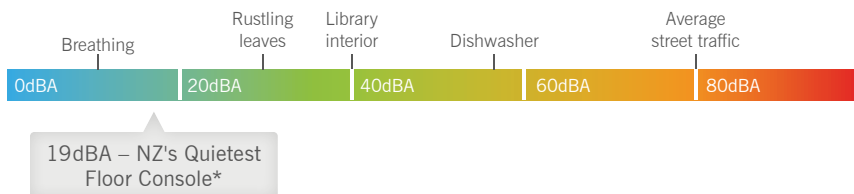
RapidHeat KJ Series



New Zealand's quietest floor consoles* feature a contemporary slimline design and dramatically reduced depth. RapidHeat Floor Consoles are the perfect solution for unobtrusive heating at floor level. Advanced sensors with Intuitive Control Logic Technology offer unparalleled low temperature heating performance in the shortest amount of time, all while maintaining maximum energy efficiency.

NZ's Quietest Floor Consoles INDUSTRY FIRST

Starting at barely a whisper, Mitsubishi Electric RapidHeat Floor Consoles are New Zealand's quietest floor console heat pumps starting from just 19dBA*. This is achieved through the use of a larger fan scroll that not only enables the unit to be quieter, but also increases its efficiency when heating your home.



RapidHeat Technology INDUSTRY FIRST

Advanced sensors coupled with Intuitive Control Logic mean optimal running temperatures are reached in the shortest amount of time possible with maximum energy efficiency. Automatically activated at start up in low temperature conditions when Two-Way Airflow is selected, warm air is blown in a downward direction first before the air is returned back into the indoor unit where it is reheated a second time. As a result, a room can now be heated up to twice as fast compared to our previous model.

Multi Vane Flow – Even Heat Distribution INDUSTRY FIRST

The Multi Vane Flow function blows warm air in both an upward and downward direction providing fast, even and effective heating whilst also reducing draughts. This is achieved via three uniquely shaped vanes that are designed for better airflow control and also provide the freedom to be customised to your preference.

*MFZ-KJ25/35 indoor sound level on lowest fan speed in heating mode.

RapidHeat^o





Dimensions (WxDxH): 750 x 215 x 600mm

MFZ-KJ25VE

Heating Capacity: 3.4 kW | Cooling Capacity: 2.5 kW

MFZ-KJ35VE

Heating Capacity: 4.3 kW | Cooling Capacity: 3.5 kW

MFZ-KJ50VE

Heating Capacity: 5.8 kW | Cooling Capacity: 5.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

Sleek, Sophisticated Design

Mitsubishi Electric RapidHeat Floor Consoles feature a contemporary design that can be recessed into your wall to dramatically reduce the depth of the indoor unit from 215mm to 145mm – a decrease of 33%. With the addition of a removable base, it is the perfect solution offering compact, unobtrusive heating for new buildings, renovation projects and fireplace replacements.



Cleaner, Healthier Air

RapidHeat Floor Consoles make use of two types of filtration to provide cleaner, healthier air. The Nano Platinum Filter generates stable antibacterial and deodorising effects, whilst the Electrostatic Anti-Allergy Enzyme Filter uses enzyme catalysts to filter allergens and remove harmful bacteria.

RapidHeat KJ Series Features



NZ's Quietest Floor Console*



7-Day Programmable Controller



Nano Platinum Filter



Anti-Allergy Enzyme Filter



Multi Vane Airflow



RapidHeat Technology



Low Standby Power Usage
0.6W



Recessable Design



Sleek Contemporary Design

*MFZ-KJ25/35 indoor sound level on lowest fan speed in heating mode.

OPTIONAL
Wi-Fi
CONTROL

PFFY Series



A compact, concealed floor unit providing simple, effective air conditioning in perimeter zones.

Compact Unit for Easy Perimeter Air-Conditioning

The body is concealed in the perimeter cover for a cohesive fit with the interior. The compact body depth of 220mm (8-11/16") can easily be installed in a perimeter zone.

Maximum External Static Pressure 60 Pa

Additional external static pressure capacity provides flexibility for duct extension, branching, and air outlet configuration. The ability to add ducting allows for a wide range of installation possibilities.

Concealed Type Design

The perfect solution to preserve architectural style in homes or offices with no ceiling space. The unit can be concealed in the perimeter skirting wall or other wall space voids to preserve the appearance of the buildings interior.

Electronic Dry Function

Provides optimum dehumidification depending on indoor temperature to prevent over-cooling.

PFFY Series Features



Electronic Dry Function



Air Cleaning Filter



60Pa for Duct Extension



Compact Design



Dimensions (WxDxH):
PFFY-P20-25: 886 x 220 x 639mm
PFFY-P32-40: 1006 x 220 x 639mm
PFFY-P50: 1246 x 220 x 639mm

PFFY-P20VLRMM

Heating Capacity: 2.5 kW | Cooling Capacity: 2.2 kW

PFFY-P25VLRMM

Heating Capacity: 3.2 kW | Cooling Capacity: 2.8 kW

PFFY-P32VLRMM

Heating Capacity: 4.0 kW | Cooling Capacity: 3.6 kW

PFFY-P40VLRMM

Heating Capacity: 5.0 kW | Cooling Capacity: 4.5 kW

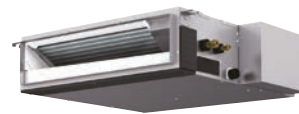
PFFY-P50VLRMM

Heating Capacity: 6.3 kW | Cooling Capacity: 5.6 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

OPTIONAL
Wi-Fi
CONTROL

SEZ Series



Dimensions (WxDxH):
SEZ-KD35-50: 990 x 700 x 200mm
SEZ-KD60-71: 1190 x 700 x 200mm

SEZ-KD35VAQ

Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

SEZ-KD50VAQ

Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

SEZ-KD60VAQ

Heating Capacity: 7.0 kW | Cooling Capacity: 6.0 kW

SEZ-KD71VAQ

Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

Compact, whisper quiet and highly efficient, our ceiling concealed SEZ Series units fit easily and discreetly into rooms with lowered ceilings. Optional fresh air intake provides all round refreshing comfort.

Compact Design

Ceiling concealed and a slim 200mm in height, the SEZ Series is ideal for tight installation spaces.

Quiet Comfort

The SEZ Series offers whisper quiet operation, starting at a hushed 23dBA.*

Air Cleaning Filter

This built-in filter removes dust and other irritating particles, keeping the air clean at all times. Maintenance is as simple as vacuuming.

Easy Installation

The SEZ Series lightweight design and low unit height makes for an easier and more convenient installation.

SEZ Series Features



Whisper Quiet Operation



Compact Design



Lossnay Interlock



Low Temperature Performance



Easy Installation



Air Cleaning Filter

*SEZ-KD35VAQ indoor sound level on low fan speed.

OPTIONAL
Wi-Fi
CONTROL

PEFY Series



A wide range of external static pressure and the low profile design provides design flexibility for narrow ceiling spaces.

Compact Design

Slim design with a height of no more than 250mm enables installation in ceilings with a small cavity.

Maximum external static pressure of 150Pa

Five-stage external static pressure settings provide flexibility for duct extension, branching and air outlet configuration and are adjustable to meet different application conditions. Settings range to a maximum of 150 Pa.

External Static Pressure Setting

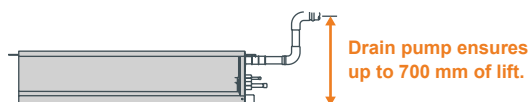
Series	20	25	32	40	50
PEFY-P VMA-E	35/50/70/100/150 Pa				

Air Inlet Direction can Easily be Changed

By only switching the closing board and air filter, the inlet layout can be altered from the rear inlet. (At the time of factory shipment: rear inlet)

Built-in Drain Pump

The PEFY-P VMA includes built-in drain pump.



PEFY Series Features



Whisper Quiet Operation



Compact Design



Easy Installation



Wide Selection of Fan
Speeds and Static Pressure



Air Cleaning Filter



Dimensions (WxDxH):
PEFY-P20-32: 700 x 732 x 250mm
PEFY-P40-50: 900 x 732 x 250mm

PEFY-P20VMA

Heating Capacity: 2.5 kW | Cooling Capacity: 2.2 kW

PEFY-P25VMA

Heating Capacity: 3.2kW | Cooling Capacity: 2.8 kW

PEFY-P32VMA

Heating Capacity: 4.0kW | Cooling Capacity: 3.6 kW

PEFY-P40VMA

Heating Capacity: 5.0kW | Cooling Capacity: 4.5 kW

PEFY-P50VMA

Heating Capacity: 6.3kW | Cooling Capacity: 5.6 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

OPTIONAL
Wi-Fi
CONTROL

PEAD Series



The unobtrusive PEAD Ducted Whole Home System is specifically designed for installations where ceiling space is minimal. The system is super energy efficient and whisper quiet. With only its grilles visible, it is the perfect hidden comfort solution for heating or cooling multiple rooms at the same time.

High Energy Saving Efficiency

The PEAD Series achieves enhanced energy savings through adopting a highly efficient DC fan motor, contributing to an impressive reduction in electricity costs.

Ideal Airflow

The flexible duct design and variable-pressure of our ducted systems increase variation in airflow options, ensuring the system operates in a way that best suits virtually all room layouts.

Wide Selection of Fan Speeds & External Static Pressure

With a wide range of adjustable static pressures and fan speeds, these units are applicable to a wide range of building types and applications.

Increase Savings by Combining Lossnay Ventilation

Further increase energy savings while ventilating your home through the combination of a PEAD Ducted System with Mitsubishi Electric Lossnay. Now you can remove stale air and control moisture whilst simultaneously recovering energy to provide your home with fresh, clean comfort. Recovered energy from outgoing stale air is used to pre-heat or pre-cool incoming fresh air. The net effect; an overall reduction in additional heating or cooling required.

PEAD Series Features



Whisper Quiet Operation



Compact Design



Lossnay Interlock



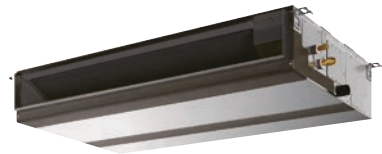
Wide Selection of Fan
Speeds and Static Pressure



Easy Installation



Air Cleaning Filter



Dimensions (WxDxH):
PEAD-M71: 1100 x 732 x 250mm
PEAD-M100: 1400 x 732 x 250mm

PEAD-M71JAA

Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

PEAD-M100JAA

Heating Capacity: 11.2 kW | Cooling Capacity: 10.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.



MLZ Series



The MLZ Series with its streamlined design, airflow control features, and quiet operation from just 26dBA, it is ideal for small installation spaces where one-way air distribution is needed.

Sleek, Slimline Design

At just 185mm in height, the MLZ Series is the perfect solution for low ceiling cavities, whilst the flat, pure white finish provides a sleek and discreet installation.

Dual Level Airflow Selection

The MLZ Series is ideal for those with standard or high ceilings. With the ability to adjust airflow according to ceiling height and direction, uncomfortable draughts are a thing of the past.

Auto Vane Control

For the ultimate in airflow control, the MLZ outlet vanes can be moved left, right, up and down using the remote controller; for airflow exactly where you want it.

Quiet Operation

Starting from just 26dBA, the MLZ Series offers unobtrusive, quiet comfort. No other one-way cassette is quieter!

MLZ Series Features



Whisper Quiet Operation



Anti-Allergy Enzyme Filter
Optional



Air Purifying Filter



Horizontal Airflow



Auto Vane



High Ceiling Mode



Unit Dimensions (WxDxH): 1102 x 360 x 185mm
Panel Dimensions (WxDxH): 1200 x 424 x 24mm

MLZ-KP25VF

Heating Capacity: 3.0 kW | Cooling Capacity: 2.5 kW

MLZ-KP35VF

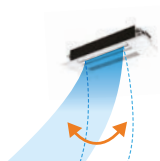
Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

MLZ-KP50VF

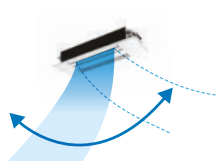
Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

Capacity Class	25	35	50
Standard	2.4m	2.4m	2.4m
High Ceiling	2.7m	2.7m	2.7m



Up and Down



Left and Right

OPTIONAL
Wi-Fi
CONTROL

SLZ Series



Unit Dimensions (WxDxH): 570 x 570 x 245mm
Panel Dimensions (WxDxH): 625 x 625 x 10mm

SLZ-KF25VA3

Heating Capacity: 3.0 kW | Cooling Capacity: 2.5 kW

SLZ-KF35VA3

Heating Capacity: 4.0 kW | Cooling Capacity: 3.5 kW

SLZ-KF50VA3

Heating Capacity: 5.0 kW | Cooling Capacity: 5.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

Compact and ultra quiet, our range of ceiling cassette systems are equipped with four-way airflow and cutting edge control. They offer you the flexibility to keep your wall and floor space free without compromising on comfort.

3D i-See Sensor

The 3D i-See Sensor works to detect the floor temperature and how many people are present in the room; automatically switching to the optimal operating mode based on this information.



Stylish, Slimline Design

The SLZ Series pure white colour and compact, linear design is ideal for discreet heating and cooling. A recipient of the Good Design Award, the SLZ Series fits into narrow ceiling spaces with a height of only 245mm.

Horizontal Airflow

The SLZ Series eliminates uncomfortable draughts and provides improved airflow control with six different discharge angles. The air discharge channels provide a lateral airflow advantage; ensuring users are not susceptible to airflow and air is distributed evenly across the entire space.

Low Noise Levels

Starting from a hushed 25dBA, the sound level has been reduced by 2–4 dBA from the previous model.

SLZ Series Features



Horizontal Airflow



Fresh Air Intake



Whisper Quiet Operation



Auto Vane



Four-Way Airflow



Long-Life Filter



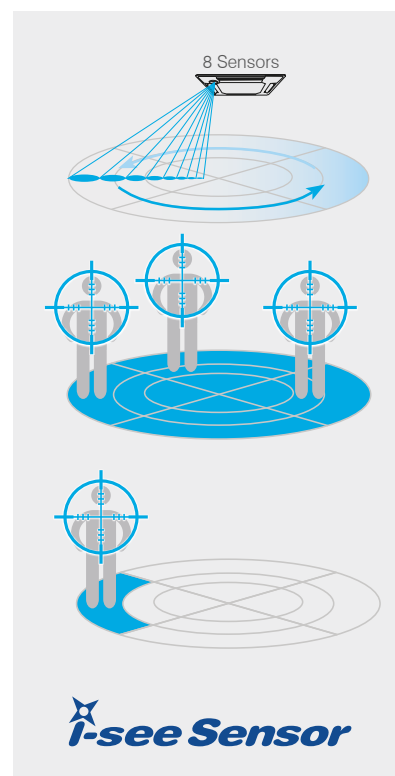
3D i-See Sensor



Auto Change Over Function

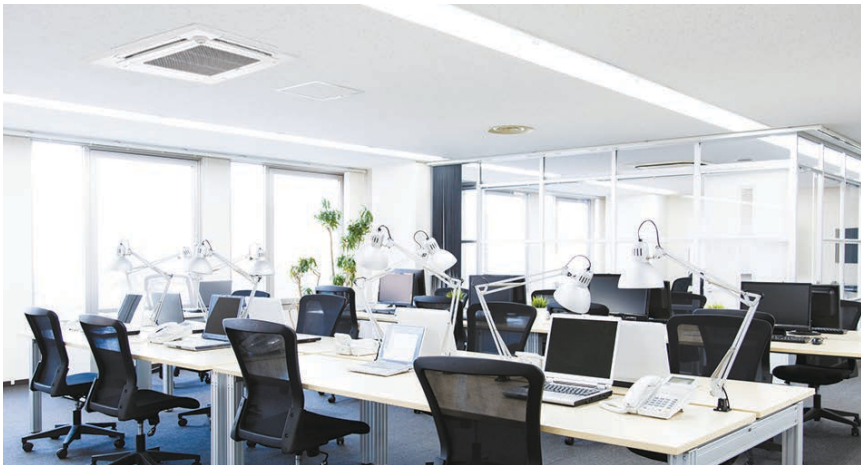


Handheld or Wall Mounted 7-Day Programmable Controller



OPTIONAL
Wi-Fi
CONTROL

PLA Series



The PLA Cassettes set a new benchmark in space heating. Featuring cutting edge airflow and independent vane direction control, PLA Cassettes revolutionise flexibility, allowing you to keep your wall and floor space free without compromising on comfort.

3D i-See Sensor



The 3D i-See Sensor detects the presence and position of people in the room using thermal heat recognition, adjusting the temperature and airflow pattern for optimal comfort. It enables a new level of truly personalised comfort to be achieved.

Wide Airflow

PLA Series Cassettes utilise wide-angle outlets to distribute airflow to all corners of the room, ensuring the room is cooled/heated in an even and sufficient manner. Horizontal airflow fan speed has been significantly reduced compared to conventional models, contributing to increased comfort for occupants.

Minimise Cold Draughts

The Horizontal Airflow function prevents both cold draughts and/or heating airflow from striking occupants directly, thereby keeping people from becoming over-chilled/over-heated.



Unit Dimensions (WxDxH):
 PLA-M71: 840 x 840 x 258mm
 PLA-M100: 840 x 840 x 298mm
 Panel Dimensions (WxDxH):
 PLA-M71: 950 x 950 x 40mm
 PLA-M100: 950 x 950 x 40mm

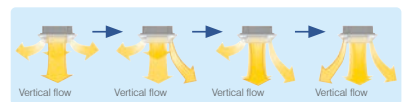
PLA-M71EA

Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

PLA-M100EA

Heating Capacity: 11.2 kW | Cooling Capacity: 10.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.



Wave Airflow Operation – Simultaneous horizontal and vertical operation ensures a comfortable room from corner to corner.

PLA Series Features



Built-in Filter



Filter Check Signal



Auto Vane



Horizontal Airflow



High Ceiling Mode



3D i-See Sensor



4-Way Airflow



Wave Airflow
(Auto Vane Mode)

PCA Series



Dimensions (WxDxH):
 PCA-M50: 960 x 680 x 230mm
 PCA-M60-71: 1280 x 680 x 230mm
 PCA-M100: 1600 x 680 x 230mm

PCA-M50KA

Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

PCA-M60KA

Heating Capacity: 7.0kW | Cooling Capacity: 6.0kW

PCA-M71KA

Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

PCA-M100KA

Heating Capacity: 11.2 kW | Cooling Capacity: 10.0 kW

Please note that the capacities may vary depending on the indoor/outdoor unit combination.

A stylish, slimline indoor unit designed to provide comfort in large, open areas such as conference rooms or open plan offices – the Mitsubishi Electric Range of Ceiling Suspended indoor units are designed to blend in seamlessly at ceiling height. With four speed settings and auto air-speed adjustment, the Ceiling Suspended PCA Series units are ideal for small and large areas alike.

Automatic Air-Speed Adjustment

In addition to the conventional 4-speed setting, units are now equipped with an Automatic Air-Speed Adjustment Mode. This setting automatically adjusts the air-speed to conditions that match the room environment. At the start of heating/cooling operation, the airflow is set to high-speed to quickly heat/cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable, comfortable heating/cooling operation.

Fresh Air Intake

Units are equipped with an optional Fresh Air Intake on the main body of the indoor unit. This makes it possible to bring fresh air in directly, where it can then be heated, to provide clean, refreshing comfort.

High/Low Ceiling Mode

All PCA Series units are equipped with High and Low-ceiling operation modes that make it possible to switch the airflow volume to match room height.

PCA Series Features



Built-in Filter



Filter Check Signal



Horizontal Airflow



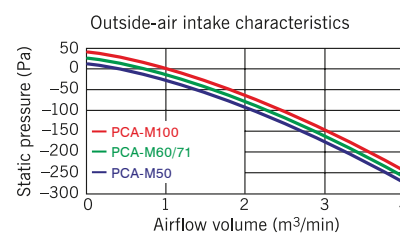
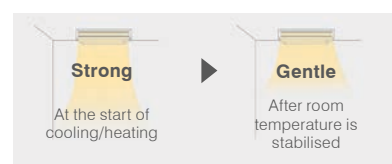
Auto Vane



High Ceiling Mode



Wave Airflow
(Auto Vane Mode)



Controllers

Handheld Remotes

Simple Programmable Controller

Featuring a 24 hour timer, this simple handheld remote features an easy-to-read display and a variety of operating modes at the touch of a button. The timer feature allows users to set a stop/start operation on a daily basis. This remote controller is included with Ceiling Suspended PCA and Ceiling Concealed SEZ Series.

Deluxe 7-Day Programmable Controller (Optional – SLZ Series)

With the ability to program up to four time and temperature settings for each day of the week, you can return to comfort without having to manually adjust the temperature. With a backlit screen for easy viewing, and advanced feature controls exclusive to the SLZ Series, including 3D i-See Sensor and individual vane settings, the Deluxe 7-Day Controller offers the ultimate in customised comfort.

7-Day Programmable Controller (Standard)

Allowing you to program up to four time and temperature settings for each day of the week, you can now return to comfort without having to manually adjust the temperature. Perfect for anyone with a busy lifestyle, the 7-Day Controller is a great way to regulate your energy usage without compromising on comfort. This 7-Day Controller is available on the Designer Series and RapidHeat Series models only.

Wall Mounted Controllers

PAR 7-Day Controller

The PAR Controller allows you to program up to 8 stop/start patterns per day for up to 7 days at a time. Other features include a variety of operation control functions, operation lock and multi-language display. The PAR Controller also offers the following at the touch of a button; LCD backlit screen, large, easy to read display and mode view for both icon and word display.

Standard Inclusion: SEZ, PEAD. Optional upgrade for all other multi indoors.

Central Controllers

AT-50B 5" LCD Touch Screen – Optional Upgrade

Able to control up to 50 units and featuring both weekly and daily timer functions, the AT-50 is a cost effective solution for large domestic or small commercial systems. It also features a 5" backlit, colour touch-screen LCD display. The AT-50 is also able to be integrated for control of additional equipment such as extractor and fresh air fans, ventilation systems and outdoor security lighting.

As part of a larger system, domestic or commercial, the Power Multi Series can be connected to M-NET control, benefitting directly from the features of AT50B and AE200 without the need for interface. In particular, the AE200 allows web browser and BMS control.



Enjoy Hands-Free Voice Control*

Mitsubishi Electric Heat Pumps connected with built-in or optional Wi-Fi Control are now also Voice Control compatible when linked up to an Amazon Alexa or Google Home smart device*. Now you can take your comfort to the next level and enjoy hands-free heat pump control so you can focus on the more important things in life.

* For Voice Control you will need a smart speaker/display/assistant/phone compatible with Amazon Alexa or Google Assistant.



Wi-Fi Control**

Turn Heat Pumps On/Off

Ensures superior control over heat pump systems by allowing you to turn your heat pump on/off.

Change Modes

Choose from the five operating modes available: Auto, Heat, Dry, Fan and Cool. This feature allows you to customise your system to meet your needs.

Change Fan Speeds

Specify a fan speed between one and five or allow the system to automatically adjust to the requirements of the area.

Change Airflow Direction

Vane positions provide directional control of airflow from the indoor unit. Choose Auto, Swing or set a specific direction to target key areas in the room.

Change Temperature

Displays actual room temperature information allowing you to adjust your heat pump settings to suit the conditions.

Develop Operating Rules

Programme your system to automatically turn on/off at specific times, change settings and develop temperature rules to ensure superior comfort day after day.

Energy Saving, Optimised

When connected to a compatible Mitsubishi Electric Ducted System complete with optional PAC-ZC Zone Control, Wi-Fi Control unlocks expanded functionality and interaction to deliver the very best in advanced energy optimisation.

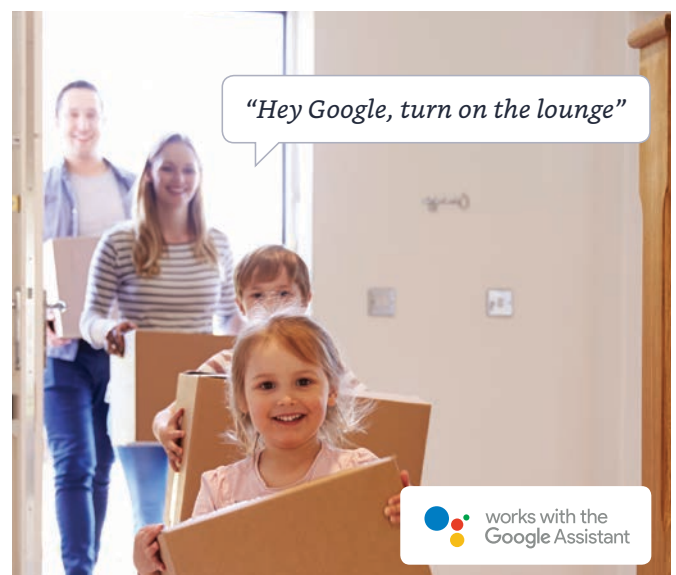
Voice Control with Amazon Alexa and Google Home

Mitsubishi Electric Heat Pumps connected with optional Wi-Fi Control are now also Alexa-enabled and Google Assistant compatible!

For more information on Voice Control please visit
www.mitsubishi-electric.co.nz/voice

** Optional upgrade available with all indoors in this brochure.
AP and LN Series come with Built-In Wi-Fi Control.

OPTIONAL
Wi-Fi
CONTROL



Zone Controller

With the ability to control up to 8 zones* and equipped with automatic unloading/ramping and 3 built-in sensor functions (Temperature, Occupancy, Brightness), the PAC-ZC40~80 Zone Controller brings intuitive yet simple control to a whole new level.

* PAC-ZC80 only. PAC-ZC40 only allows control of 4 zones. Compatible with either 24V or 240V damper options. Optional: 1x additional PAR-ZC01ME-E controller and 2x thermistors (PAC-SE41TS-E) can be installed.



Features

Temperature Sensor

With an inbuilt thermostat (PAR-ZC01ME-E wall controller), the Zone Controller allows the actual usable space temperature to be measured, offering a more realistic and timely temperature measurement where it is needed most.

Occupancy Sensor

The Zone Controller (via the PAR-ZC01ME-E wall controller) constantly monitors the usable area to detect vacancy. Once detected, one of 4 user defined energy-save control options can be implemented to reduce energy consumption: turn the unit on/off, lower the fan speed, temperature offset, or turn user designated zones on/off.

Brightness Sensor

Working in conjunction with the Occupancy Sensor, the Brightness Sensor can be set to maximise energy savings when it detects user defined "Light" or "Dark" conditions (lux values).

Backlit LCD Touch Screen

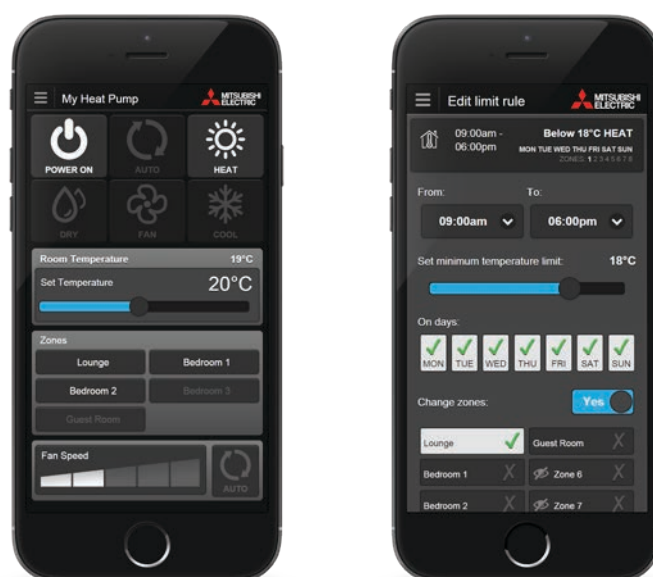
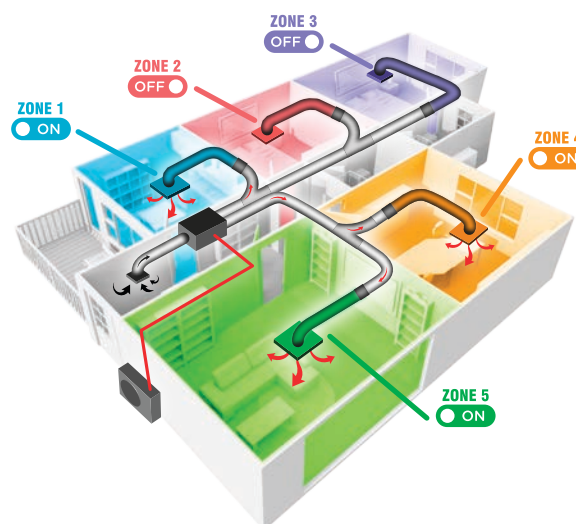
Featuring a liquid-crystal display (LCD), back-lit for operation in dark conditions. For ease of use, the user defined coloured LED indicator (at the bottom of the controller) lights up to indicate the current operation mode i.e. red for heating, blue for cooling, green for night setback.

Intuitive Airflow Control

Where traditional ducted systems require manual adjustment of the indoor fan speed, the PAC-ZC40L-E, equipped with the exclusive Mitsubishi Electric Intuitive Airflow Control, intuitively detects which zones you have open/closed and adjusts the fan speed accordingly. When zones are not in use the fan speed is lowered automatically, leading to increased overall energy savings.

Optional Wi-Fi Control

Advanced temperature monitoring and management. Now you can control, monitor and schedule which zones your ducted heat pump is controlling in real time from anywhere via your smart phone, tablet or online account.



OPTIONAL
Wi-Fi
CONTROL



Specifications

Outdoor Units



Classic Multi Series Outdoor Unit

MODEL NAME				MXZ-2D52VA2	MXZ-3E54VAD2	MXZ-4E71VAD2	MXZ-4E80VAD2	MXZ-5E100VAD2	MXZ-6E120VAD2
CONNECTABLE INDOORS				2 indoor units	2-3 indoor units	2-4 indoor units	2-4 indoor units	2-5 indoor units	2-6 indoor units
Refrigerant				R410A					
COOL	Capacity	Rated	[kW]	5.2	5.4	7.1	8.0	10.0	12.0
		Min-Max	[kW]	1.1 - 6.0	2.9 - 6.8	3.7 - 8.8	3.7 - 9.2	3.9 - 11.0	3.5 - 13.5
	Input		[kW]	1.40	1.25	1.88	2.07	2.95	3.53
	EER ²			3.71	4.32	3.78	3.86	3.39	3.40
	Sound Level Silent - High		[dBA]	45 - 49	45 - 50	45 - 50	48 - 51	49 - 52	50 - 53
	Rated Current ¹		[A]	6.3	5.5	8.3	9.1	13.0	15.5
	Air Volume (High)		[L/s]	580	633	633	958	1085	1050
HEAT	Capacity	Rated	[kW]	6.1	7.0	8.0	8.8	10.0	13.2
		Min-Max	[kW]	1.0 - 7.0	2.6 - 9.0	3.4 - 10.7	3.4 - 11.8	4.1 - 14.0	3.5 - 16.5
	Input		[kW]	1.59	1.61	1.84	1.91	2.30	3.49
	COP ²			3.84	4.35	4.35	4.60	4.35	3.78
	Sound Level Silent - High		[dBA]	48 - 50	48 - 53	48 - 54	48 - 51	54 - 57	54 - 57
	Rated Current ¹		[A]	7.1	7.1	8.1	8.4	10.1	15.3
	Air Volume (High)		[L/s]	587	735	757	927	1133	1283
Max. Total Connectable Capacity				[kW]	7.5	10.0	12.5	14.5	17.1
Power Supply [V, Phase, Hz]				230V, Single Phase, 50Hz, Outdoor Power Supply					
Outdoor	Dimensions (WxDxH)		[mm]	800 x 285 x 550	840 x 330 x 710	840 x 330 x 710	950 x 330 x 796	950 x 330 x 796	950 x 330 x 1048
	Weight		[kg]	38	58	59	63	64	88
Ext. Pipe	Liquid (Diameter)		[mm]	6.35 x 2	6.35 x3	6.35 x4	6.35 x4	6.35 x5	6.35 x6
	Gas (Diameter)		[mm]	9.52 x 2	9.52 x3	9.52 x3 + 12.7 x1	9.52 x3 + 12.7 x1	9.52 x4 + 12.7 x1	9.52 x5 + 12.7 x1
	Max. Length ³ (Total/Each)		[m]	30/20	50/25	60/25	70 / 25	80 / 25	80 / 25
	Max. Height ⁴		[m]	15 (10) [†]	15 (10) [†]	15 (10) [†]	15 (10) [†]	15 (10) [†]	15 (10) [†]
	Chargeless Length		[m]	20	40	40	30	5	30
Outdoor	Cooling		[°C]	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46
	Heating		[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24



Power Multi Series Outdoor Unit

MODEL NAME				PUMY-SP80VKMD	PUMY-SP112VKMD	PUMY-SP125VKMD	PUMY-SP140VKMD
CONNECTABLE INDOORS				2-5 indoor units	2-7 indoor units	2-8 indoor units	2-8 indoor units
Refrigerant				R410A			
COOL	Capacity	Rated	[kW]	9.0	12.5	14.0	15.5
	Input		[kW]	2.11	3.10	3.84	4.38
	EER ²			4.27	4.03	3.65	3.54
	Sound Level		[dBA]	51	52	53	54
	Rated Current ¹		[A]	9.36	13.75	17.04	19.43
HEAT	Capacity	Rated	[kW]	10.0	14.0	16.0	16.5
	Input		[kW]	2.27	3.17	3.90	4.02
	COP ²			4.41	4.42	4.10	4.10
	Sound Level		[dBA]	54	54	56	56
	Rated Current ¹		[A]	10.07	14.06	17.30	17.83
Max. Total Connectable Capacity				[kW]	11.7	16.2	18.2
Power Supply [V, Phase, Hz]				220-230-240V, 50Hz; Single Phase 220v, 60Hz			
Outdoor	Dimensions (WxDxH)		[mm]	1050 x 330 (+25) x 981			
	Weight		[kg]	93			
	Air Volume ³		[L/s]	1250	1283	1383	1383
Ext. Pipe	Liquid (Diameter)		[mm]	9.52			
	Gas (Diameter)		[mm]	15.88			
	Max. Length ⁴		[m]	120			
	Max. Height ^{††}		[m]	30 (50) [†] †			
Outdoor	Cooling		[°C]	-5 / +52*			
	Heating		[°C]	-20 / +15*			

¹ Electrical data is for outdoor unit only.

² MXZ-2D52VA2 » MSZ-GE35VAD2 x2
MXZ-3E54VAD2 » MSZ-GE25VAD2 x3
MXZ-4E71VAD2 » MSZ-GE25VAD2 x4
MXZ-4E80VAD2 » MSZ-GE25VAD2 x4
MXZ-5E100VAD2 » MSZ-GE25VAD2 x5
MXZ-6E120VAD2 » MSZ-GE25VAD2 x6
PUMY-SP112 » PEFY-P25VMA x2 + PEFY-P32VMA x2
PUMY-SP125 » PEFY-P25VMA x1 + PEFY-P32VMA x3
PUMY-SP140 » PEFY-P32VMA x2 + PEFY-P40VMA x2

³ HEATING Indoor: 20°C DB.

Outdoor: 7°C DB, 6°C WB.

⁴ Maximum length is inclusive of height differential.

[†] If the outdoor unit is installed higher than the indoor unit, maximum height is reduced.

^{††} If the outdoor unit is installed lower than the indoor unit, maximum height is reduced.

NOTE:

Rating Conditions (AS/NZS 3823).

COOLING Indoor: 27°C DB, 19°C WB.

Outdoor: 35°C DB

HEATING Indoor: 20°C DB.

Outdoor: 7°C DB, 6°C WB.

Refrigerant piping length (one way): 5m

Running Current and Power Input figures are for outdoor unit only.

Please note:

Final outdoor unit selection will be affected by several different factors. The combination of rooms and their location, as well as operating use, will determine which of the proposed models you require. In many cases, an outdoor unit with a lower heating capacity may be adequate where not all indoor units are required to operate in maximum heating mode simultaneously. Or, if you are considering adding more indoor units in the future, in the interests of future-proofing, you may be best to select an outdoor unit capable of providing more capacity than you currently require.

* 10 to 52°, when connecting the following models: M Series, S Series and P Series type indoor unit with branch box, M Series type indoor unit with connection kit; -15 to 52°, when using an optional air protect guide[PAC-SH95AG-E1].

Pipe Size Chart

Inches	mm
1/4	6.35
3/8	9.52
1/2	12.7
5/8	15.88
3/4	19.0
7/8	22.2
1	25.4

The Mitsubishi Electric Advantage

World Leaders in Heat Pump Technology



A circular seal with a red center containing the number '5' and the word 'years'. Below the number, it says 'Parts | Labour'. The outer ring of the seal contains the text 'MITSUBISHI ELECTRIC QUALITY' at the top, 'FOR PEACE OF MIND' on the right, and 'FIVE YEAR WARRANTY' on the left.

Peace of mind is assured with your choice of Mitsubishi Electric Heat Pumps.

We support our product with a unique and comprehensive 5 year parts and labour warranty.

Since releasing their first wall mounted split system heat pump in 1968, Mitsubishi Electric has been a world leader in heat pump technology. Staying at the forefront of technology is of utmost importance to Mitsubishi Electric. Their commitment to rigorous factory testing and continuous investment in R&D ensures products are of the highest quality and feature superior technology.

Evaluation testing starts with replicating transportation conditions, with drop and vibration tests performed to ensure units remain protected during shipment. To ensure heat pumps perform under the harshest of environmental conditions when they are needed most, they are operated and tested in a room that simulates both freezing climates and tropical storms. Safety components are also tested by replicating abnormal conditions such as combustion; ensuring units do not react in an unexpected or unsafe manner.

For New Zealand specifically, this commitment to testing has led to industry-leading products being introduced that perform exceptionally well in our harsh and varied climate. New Zealanders can trust and rely on Mitsubishi Electric engineering to keep them warm when it matters most.

MEQ – Your Guarantee Of Excellence



The logo features the letters 'MEQ' in a large, stylized font. 'M' and 'E' are blue, and 'Q' is green. To the right of 'Q' is the word 'Quality' in a smaller green font.

Quality you can rely on:

- All units line tested
- Performance tested
- 800 hour heat stress test
- 2000 hour endurance test

This MEQ emblem is your assurance of the very best in technology and quality as it represents Mitsubishi Electric's continuing efforts in making our heat pumps the industry standard. Every Mitsubishi Electric Heat Pump is a product of painstaking research, relentless testing, and a resolute determination to improve upon vital performance characteristics.

As a result, our heat pumps have become more durable, less costly to operate, quieter, easier to install and maintain, and better able to distribute air evenly throughout any type of interior.

This kind of commitment to quality enables our products to create remarkably pleasant environments that will ultimately make your life more comfortable.

Your Recommendation

Store Contact Details

Staple business card here



Black Diamond LN Series
High Wall

See page 14



AP Series
High Wall

See page 17



Designer EF Series
High Wall

See page 18



Classic GE Series
High Wall

See page 19



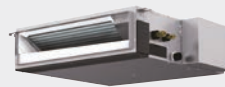
RapidHeat KJ Series
Floor Console

See page 20



PFFY Series
Floor Console

See page 22



SEZ Series
Ceiling Concealed

See page 23



PEFY Series
Ceiling Cassette

See page 24



PEAD Series
Ducted

See page 25



MLZ Series
One-Way Ceiling Cassette

See page 26



SLZ Series
Compact Ceiling Cassette

See page 27



PLA Series
Ceiling Cassette

See page 28



PCA Series
Under-Ceiling

See page 29

Choose the right one! Visit our online Heat Pump Selector at:
www.mitsubishi-electric.co.nz/heatpump/selector





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